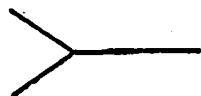


# FORMS OF IMMUNE AUGMENTATION

## 1. FREE ANTIBODY + PEPTIDE



mAb-A (ANTI-CD3)



peptide

Jc857 U.S. PTO  
10/067104  
02/04/02

## 2. HETEROCONJUGATE (ANTIBODY-PEPTIDE)



## 3. BIFUNCTIONAL mAb/LIGAND CONJUGATE

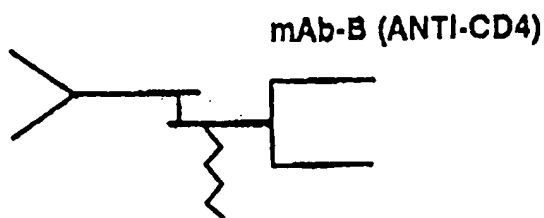


FIGURE 1

FIGURE 2:

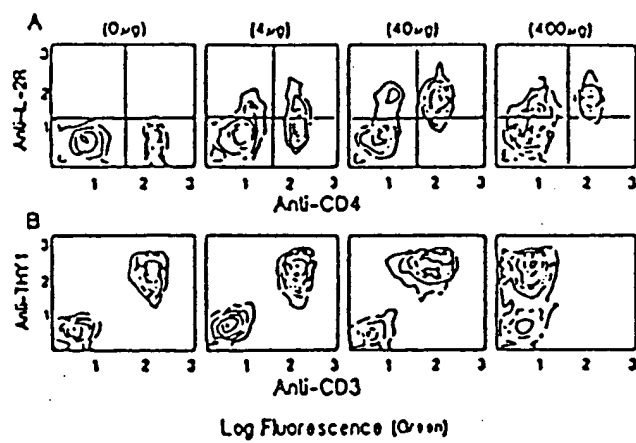


FIGURE 3:

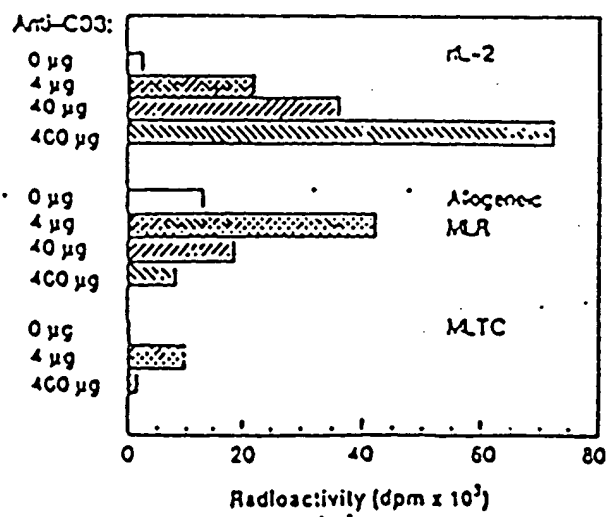


FIGURE 4:

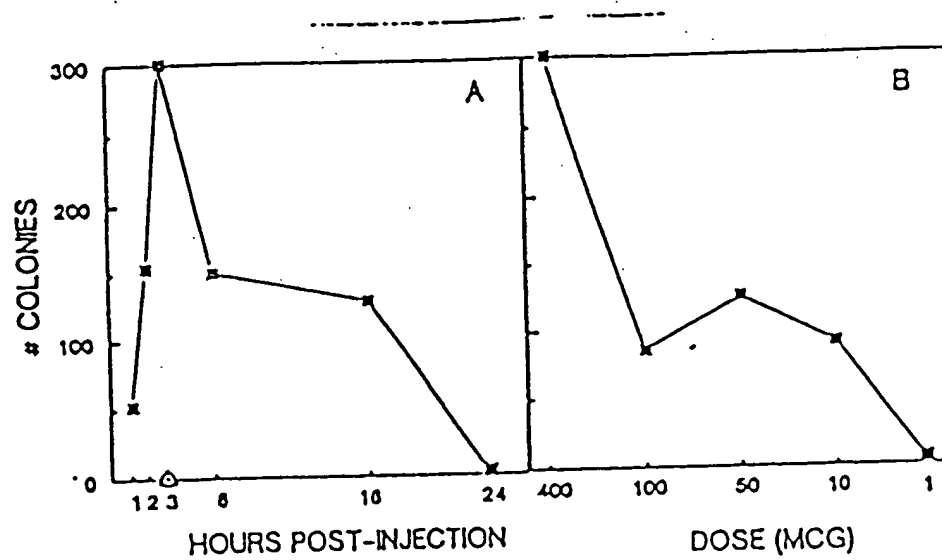


FIGURE 5 A:

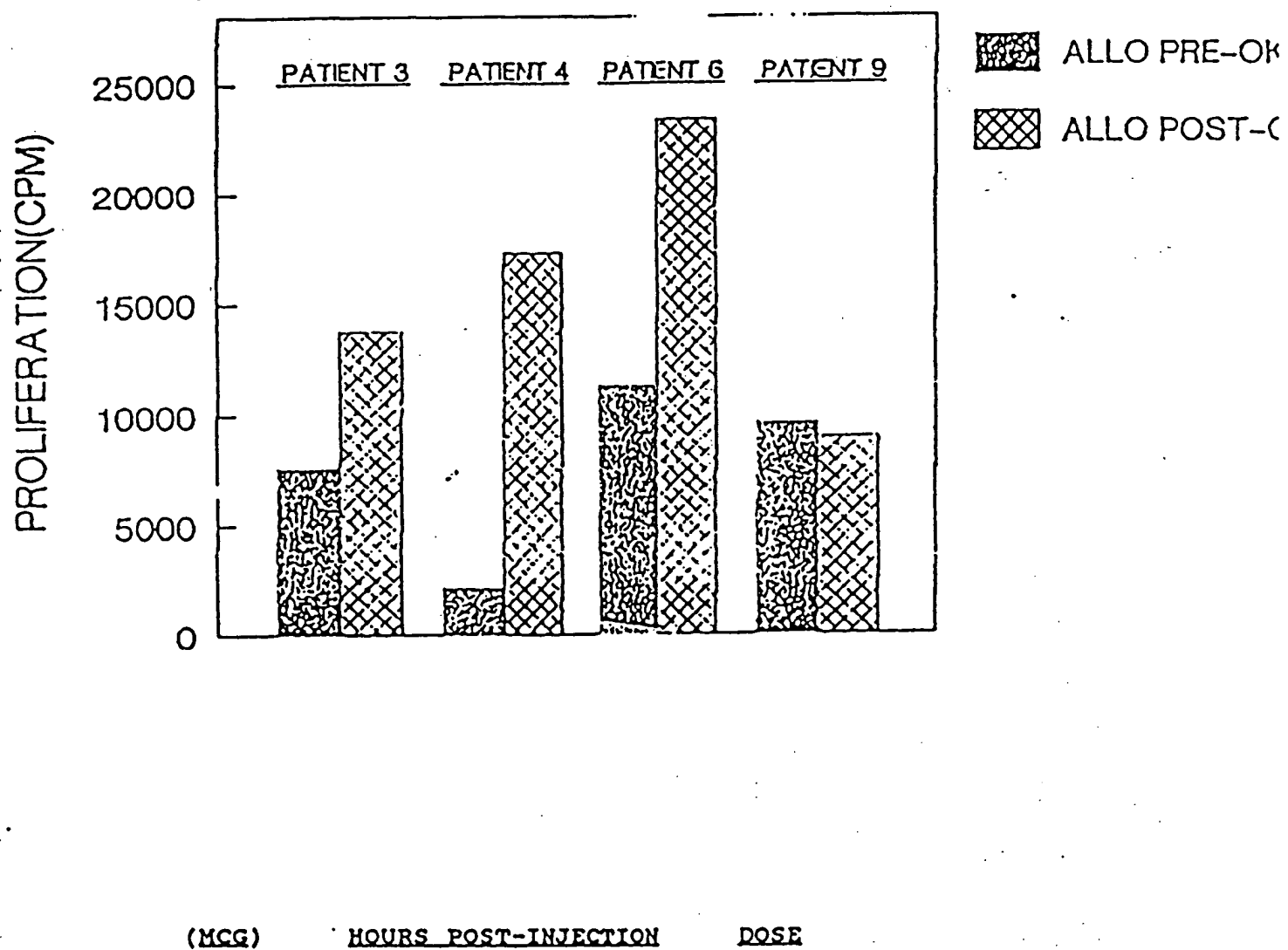


FIGURE 5 B:

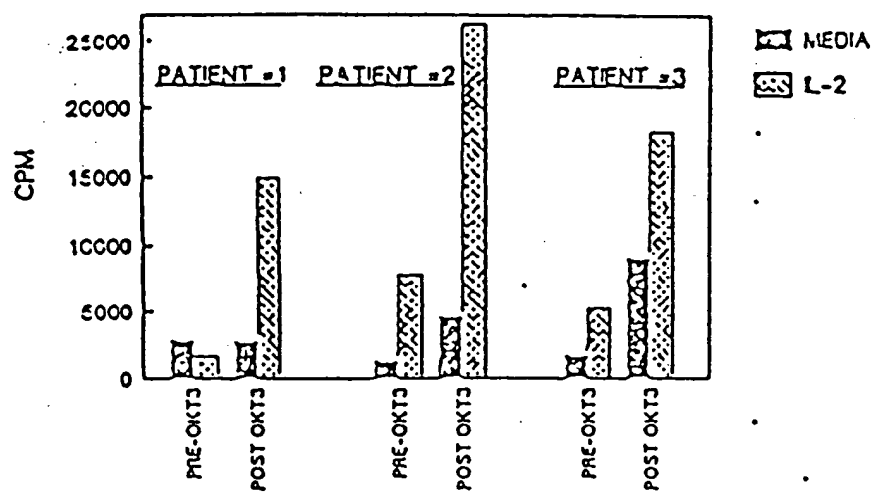


FIGURE 6:

ANTI-KLH ANTIBODIES IN MICE TREATED  
WITH KLH USING PBS, CFA, OR ANTI-CD3 AS IMMUNOADJUVANTS

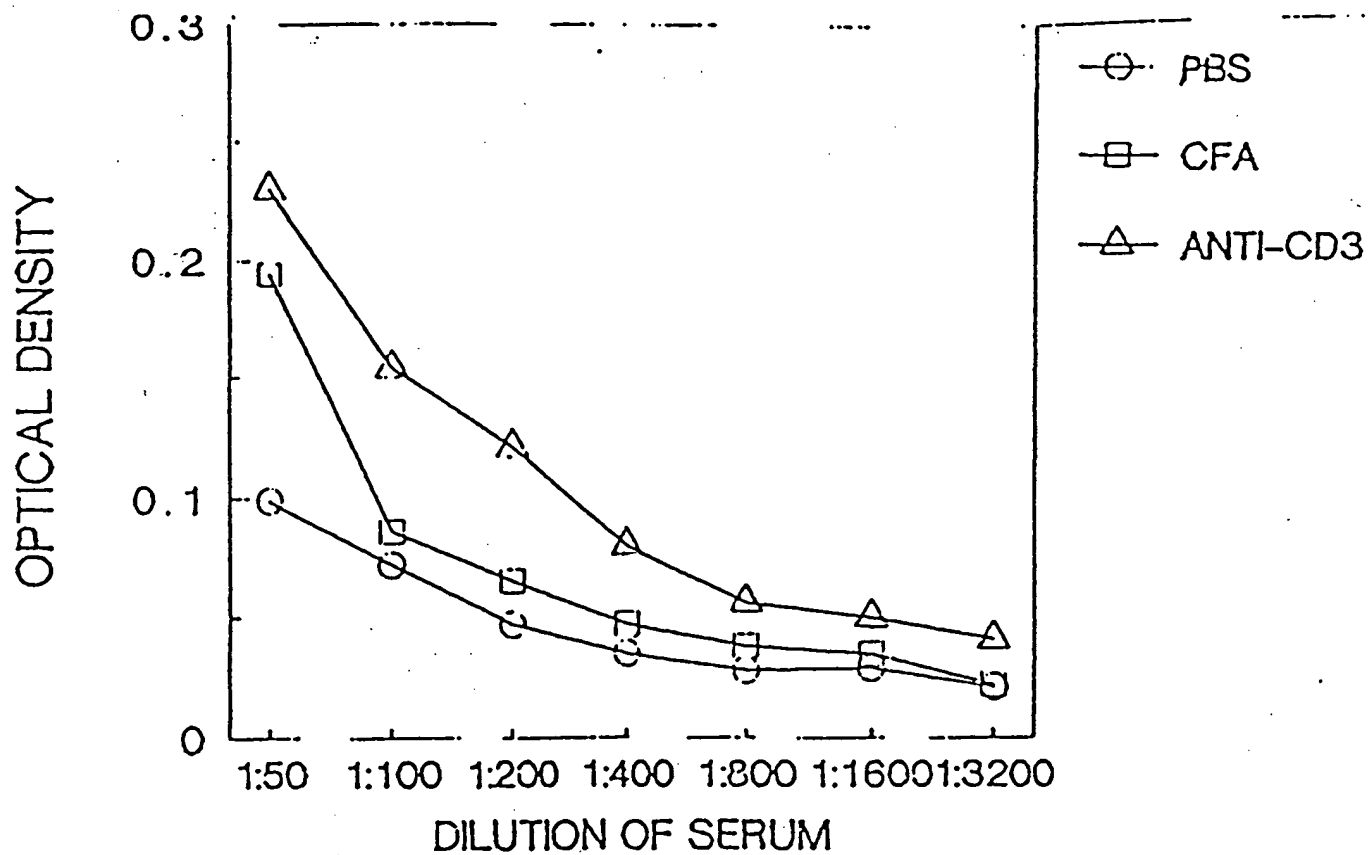
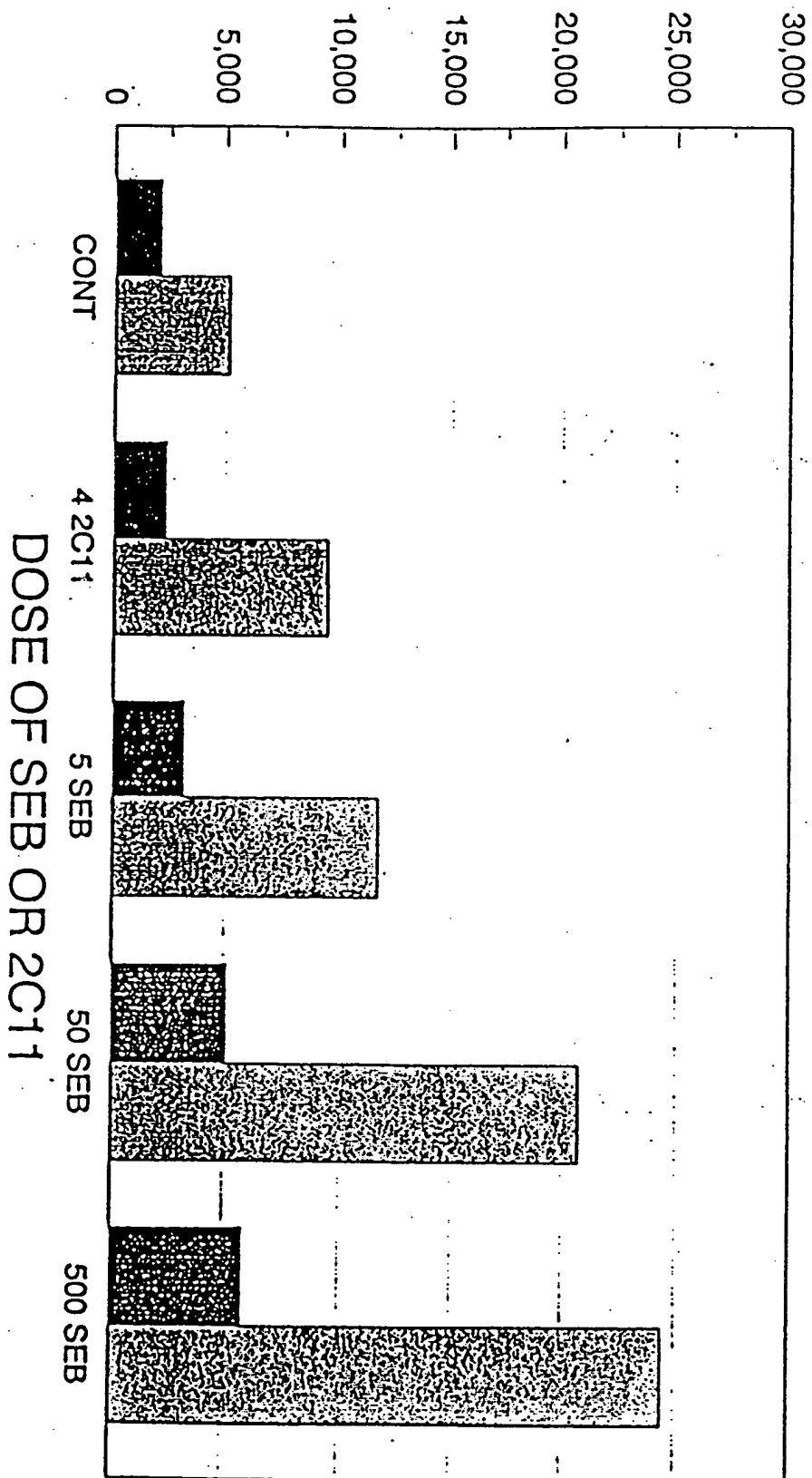


FIGURE 7:

# ALLORESPONSE TO SEB

<sup>3</sup>H UPTAKE IN CPM

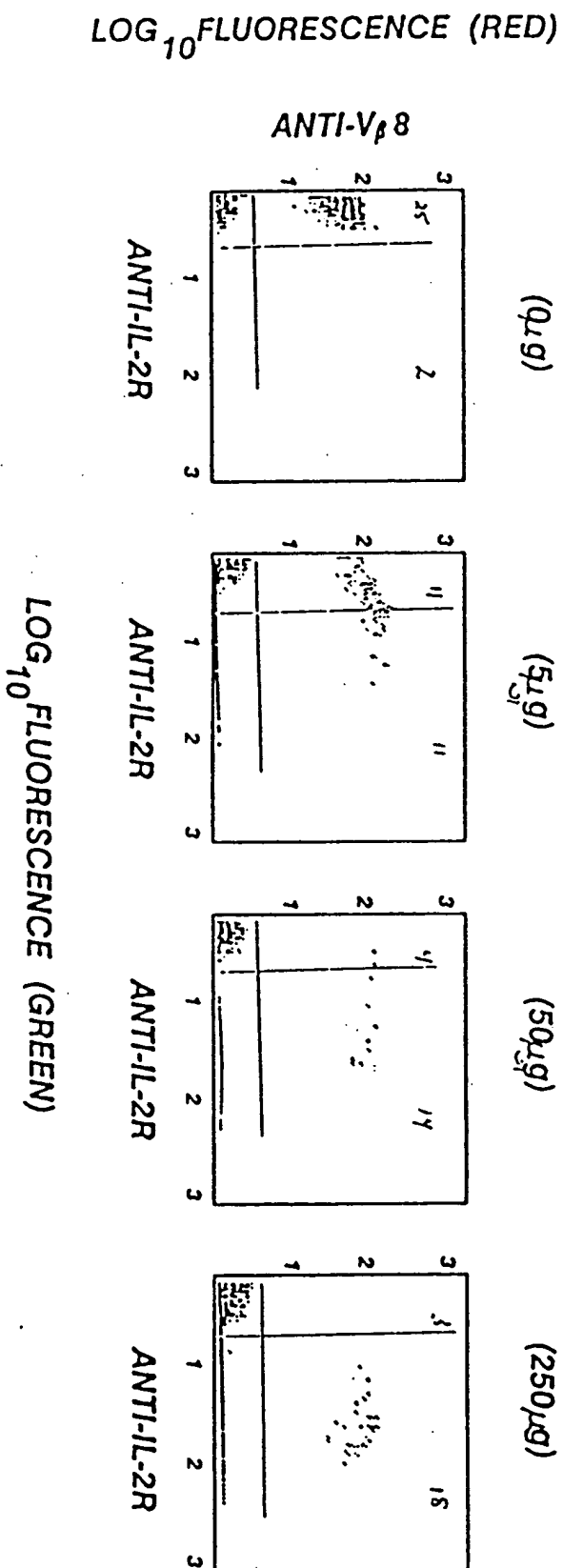


in C3H mice at 18 hr.



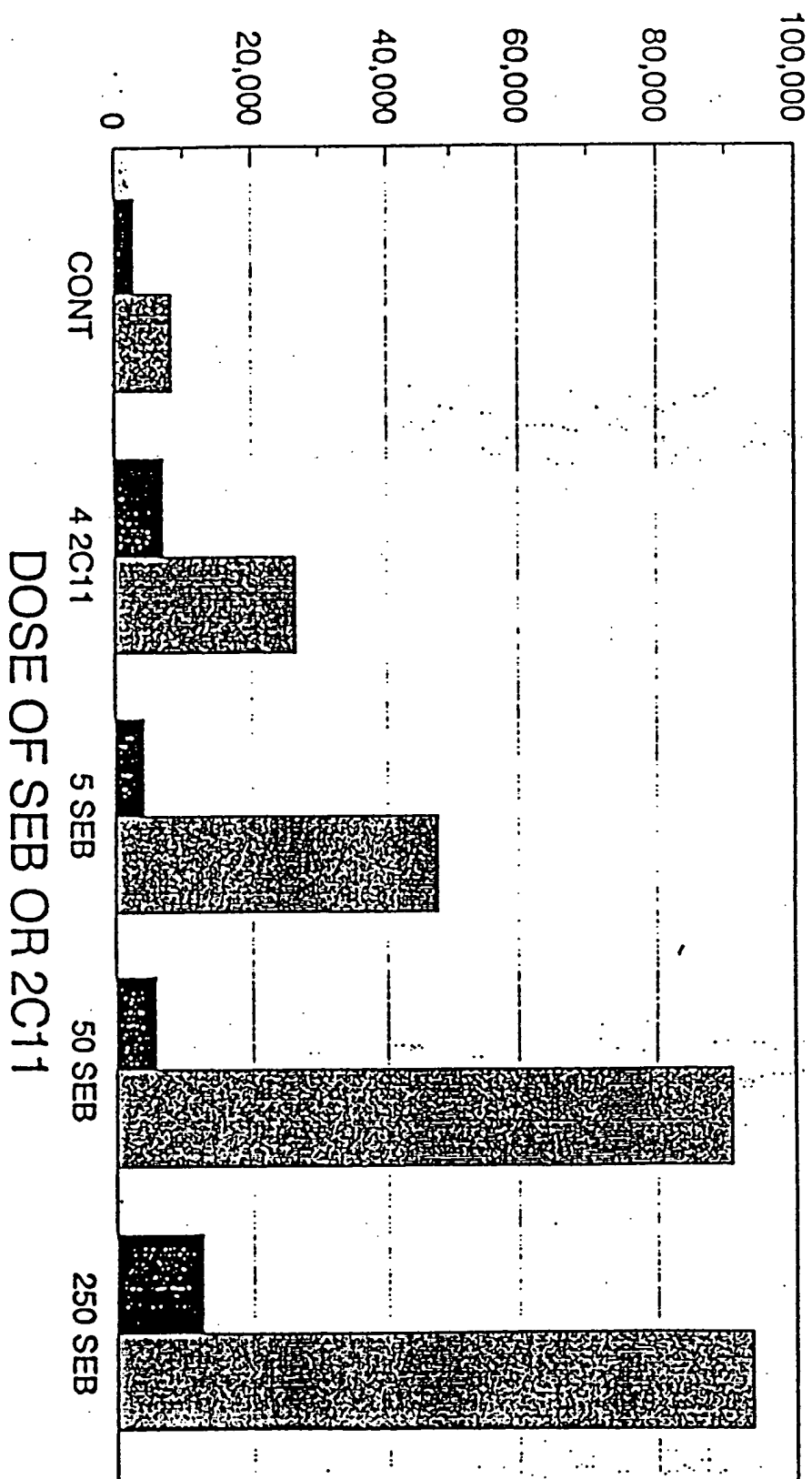
FIGURE 8:

# IL-2R EXPRESSION ON T CELLS FROM SEB TREATED MICE (18hr.)



# PROLIFERATIVE RESPONSE TO SEB

3H UPTAKE IN CPM



CONT RIL-2

in C3H mice at 18 hr. using lymph node

FIGURE 10:

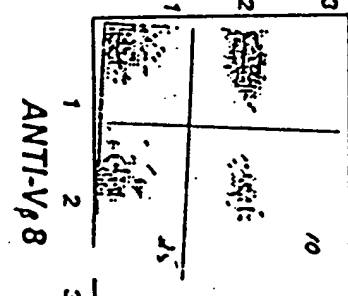
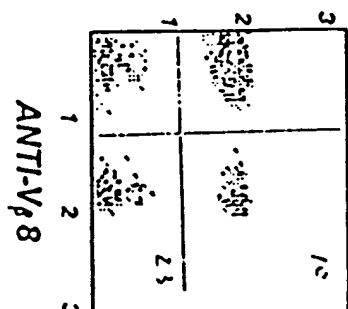
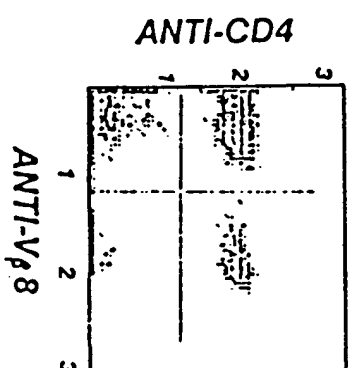
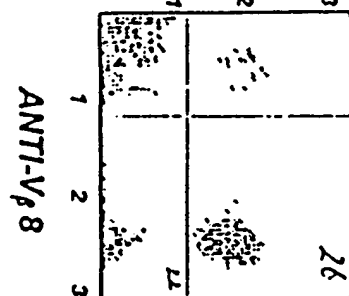
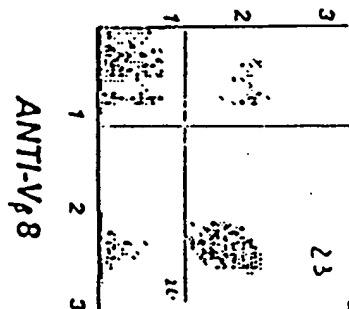
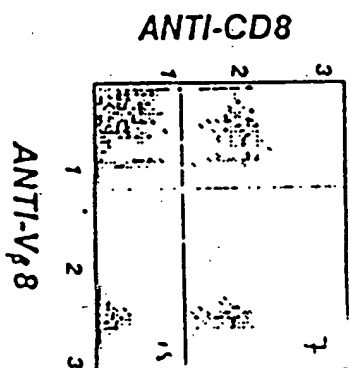
# EXPANSION OF $V_{\beta}8+$ CELLS IN SEB-TREATED MICE

DAY 3

CONTROL

(50  $\mu$ g)

(250  $\mu$ g)



LOG<sub>10</sub> FLUORESCENCE (GREEN)

FIGURE 11:

# LOW DOSE OKT3 - STASIK LYMPHOCYTE SUBSETS

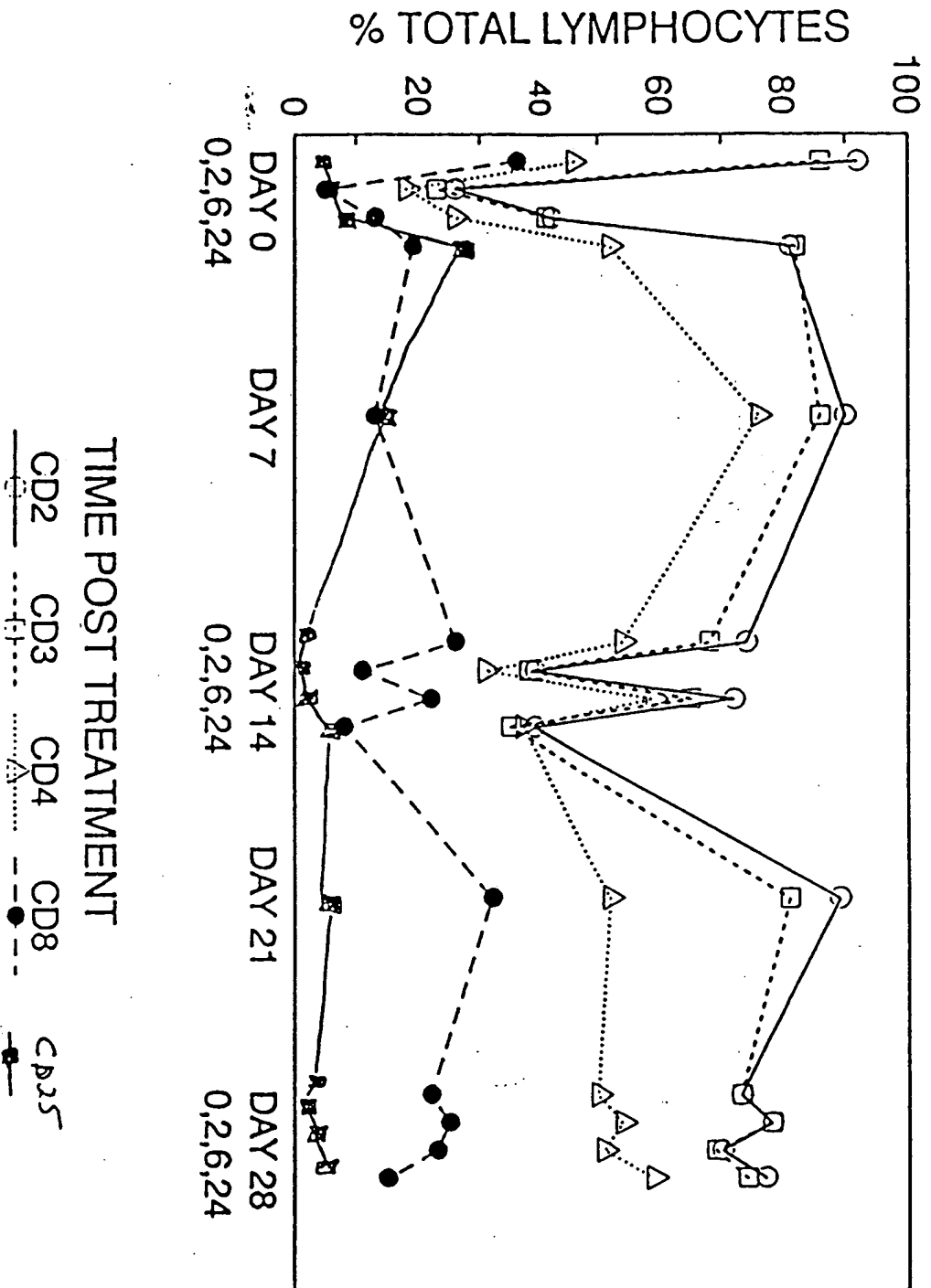
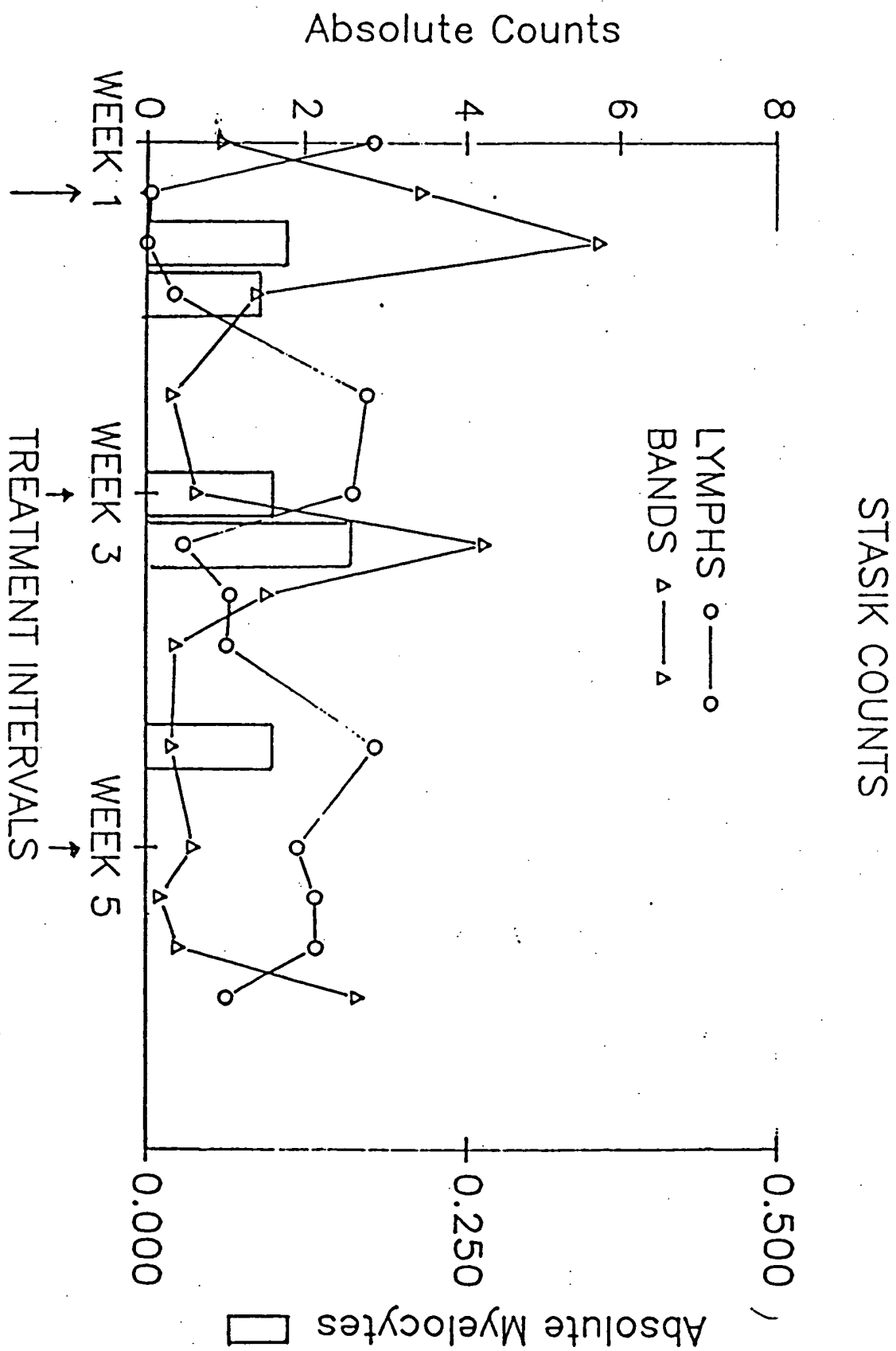


FIGURE 12:



# ANTI-CD3 TREATMENT ABROGATES GVHD B10.BR $\leftrightarrow$ (B10 x B10.BR)F1 [500R]

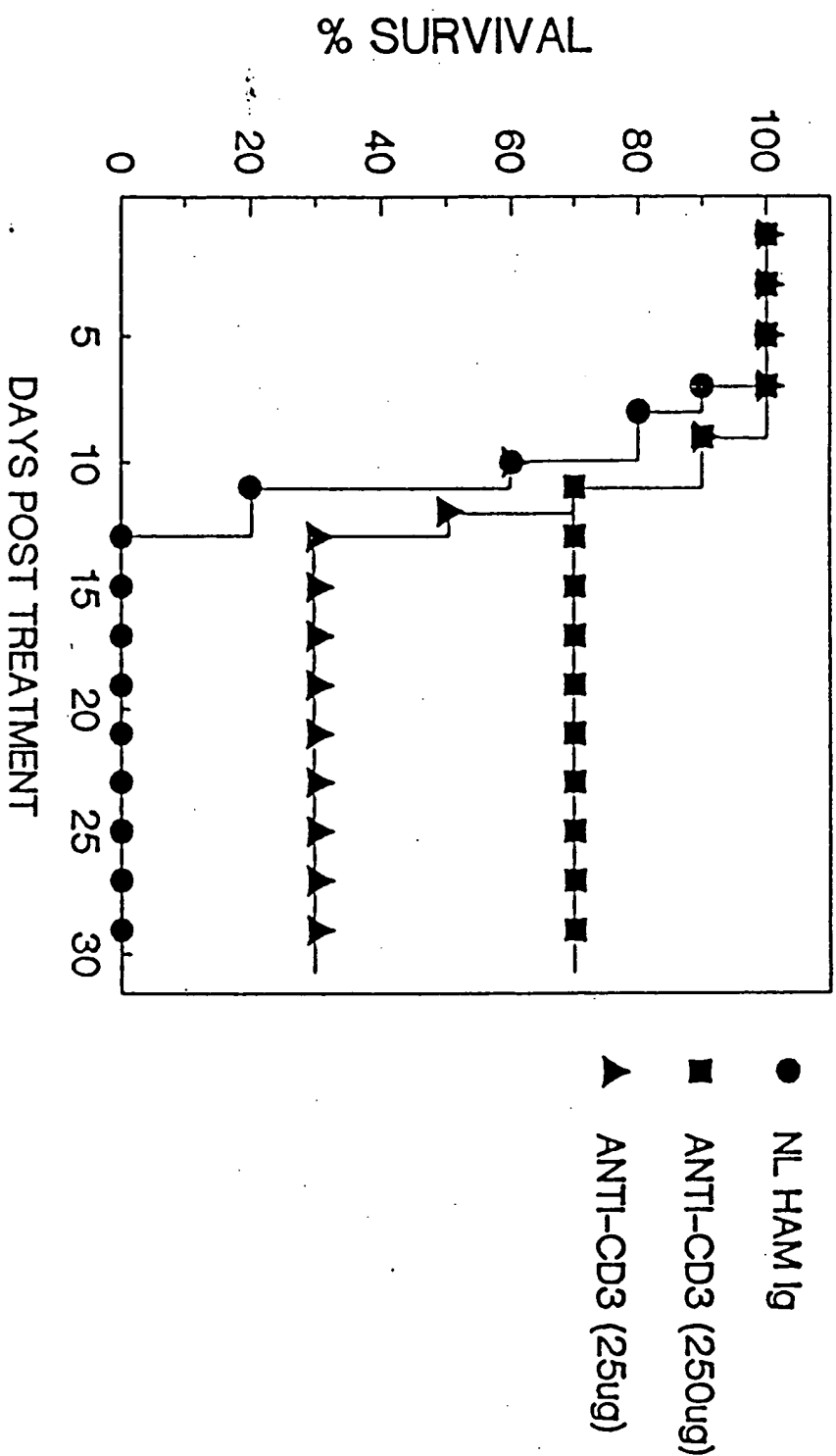
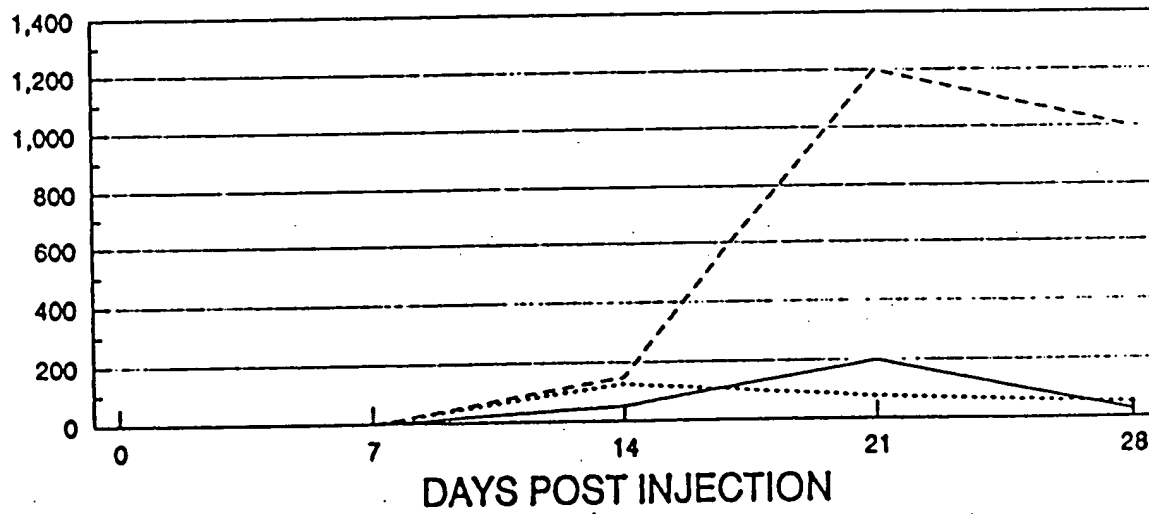


FIGURE 14:

**ANTI-1005/45 TITER IN C57BL/10 MICE  
GIVEN 1005/45-KLH SC OR IP  
AND 145-2C11**

ANTI-1005/45 TITER



1005/45-KLH SC NO 2C11	1005/45-KLH SC 145-2C11 4 ug IP	1005/45-KLH IP NO 2C11	1005/45-KLH IP 145-2C11 4 ug IP
---------------------------	------------------------------------	---------------------------	------------------------------------

FIGURE 15:

IN VIVO TREATMENT WITH mAbs:

ANTI-CD3 VS. F(ab)<sub>2</sub> ANTI-CD3 x ANTI-CD4 HETEROCONJUGATE

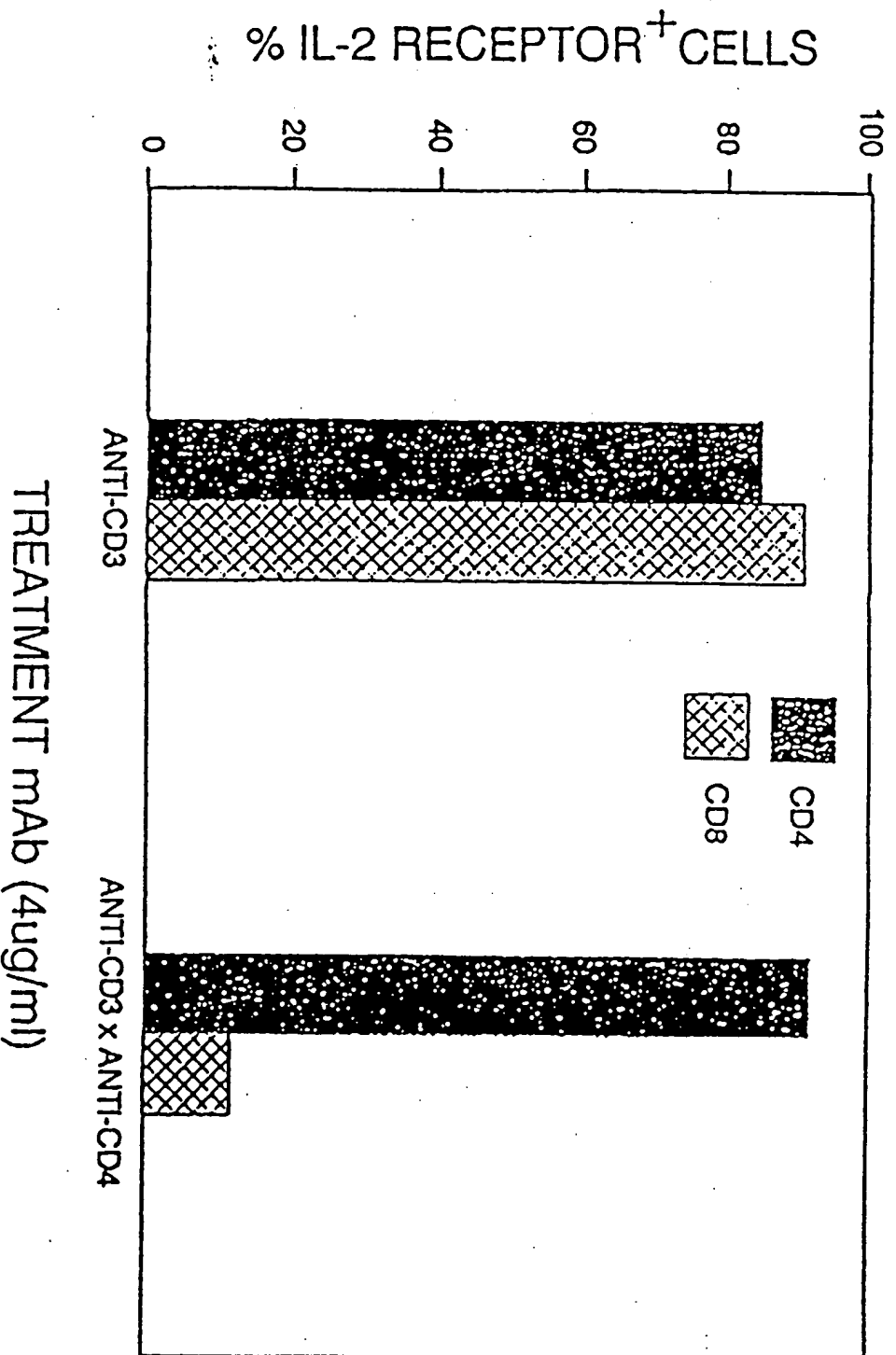




FIGURE 16:

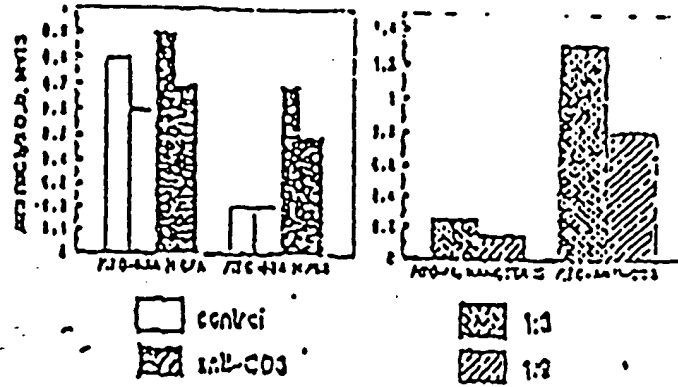
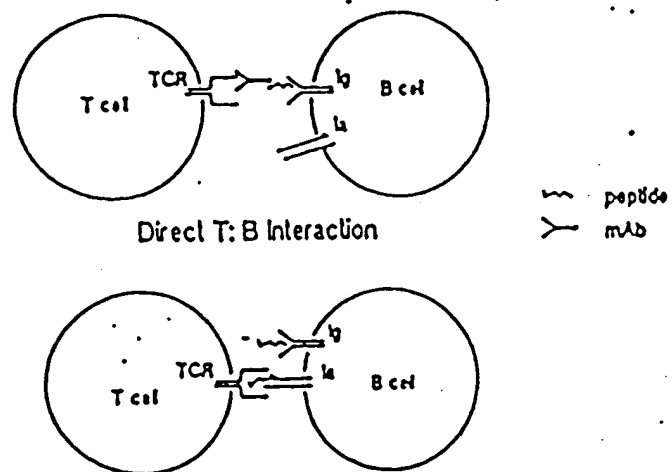


FIGURE 17:

TWO MODELS OF TB COLLABORATION



MHC RESTRICTED Ag RECOGNITION

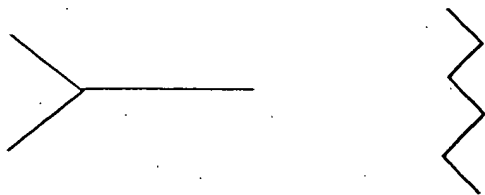


FIG. 1A

mAb-A(ANTI-CD3)

PEPTIDE

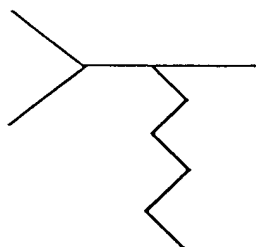


FIG. 1B

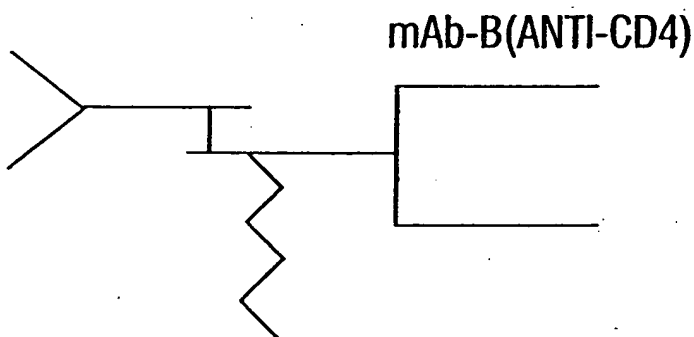
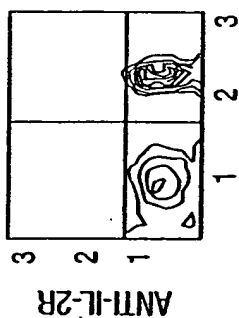


FIG. 1C

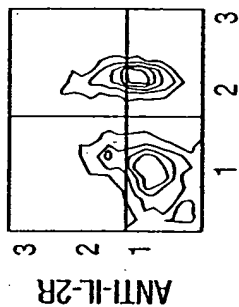
10067101/9001

FIG. 2A-1



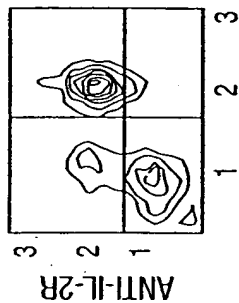
LOG FLUORESCENCE (GREEN)

FIG. 2A-2



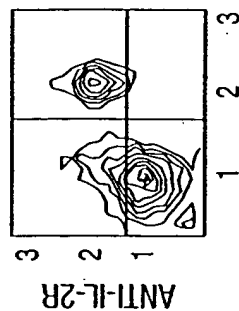
LOG FLUORESCENCE (GREEN)

FIG. 2A-3



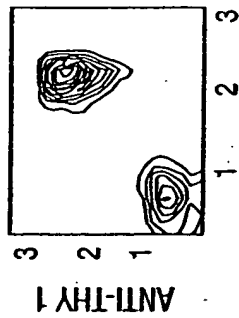
LOG FLUORESCENCE (GREEN)

FIG. 2A-4



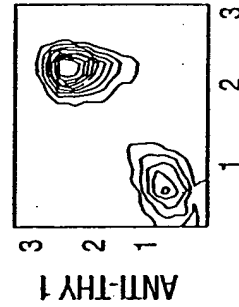
LOG FLUORESCENCE (GREEN)

FIG. 2B-1



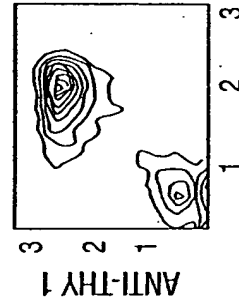
LOG FLUORESCENCE (GREEN)

FIG. 2B-2



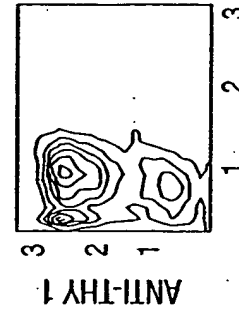
LOG FLUORESCENCE (GREEN)

FIG. 2B-3



LOG FLUORESCENCE (GREEN)

FIG. 2B-4



LOG FLUORESCENCE (GREEN)

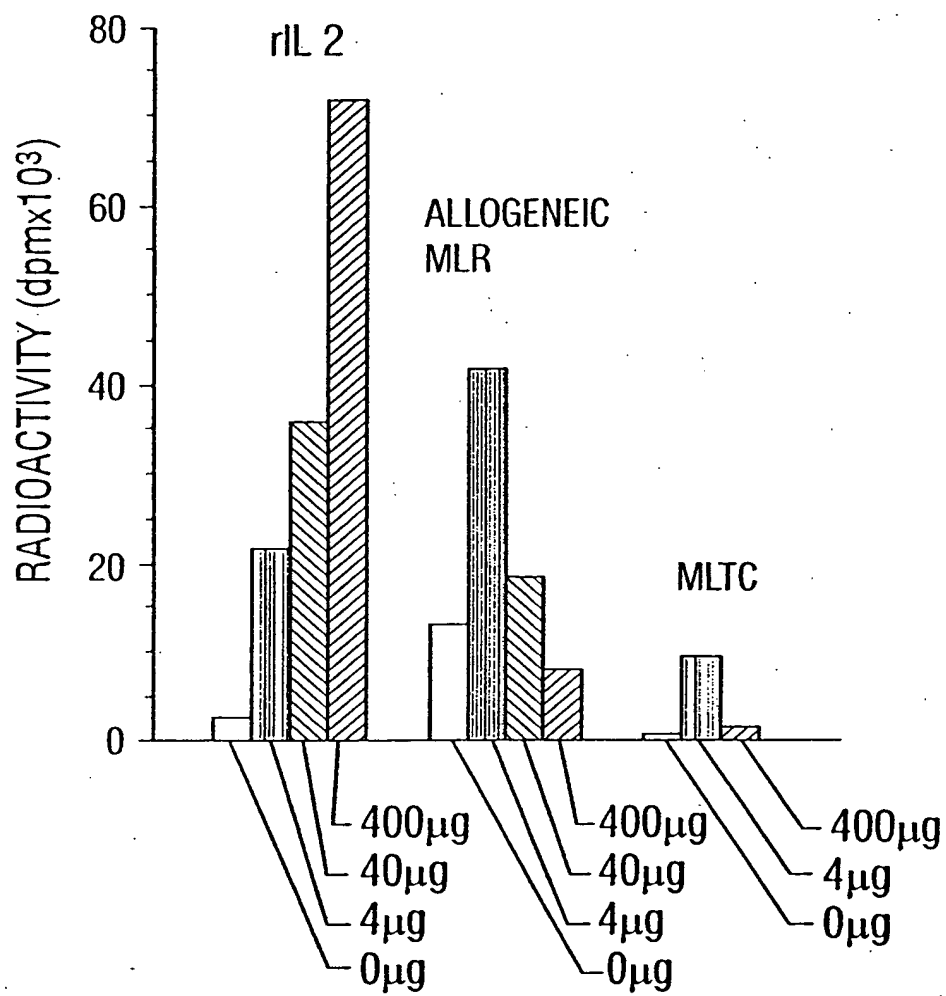


FIG. 3

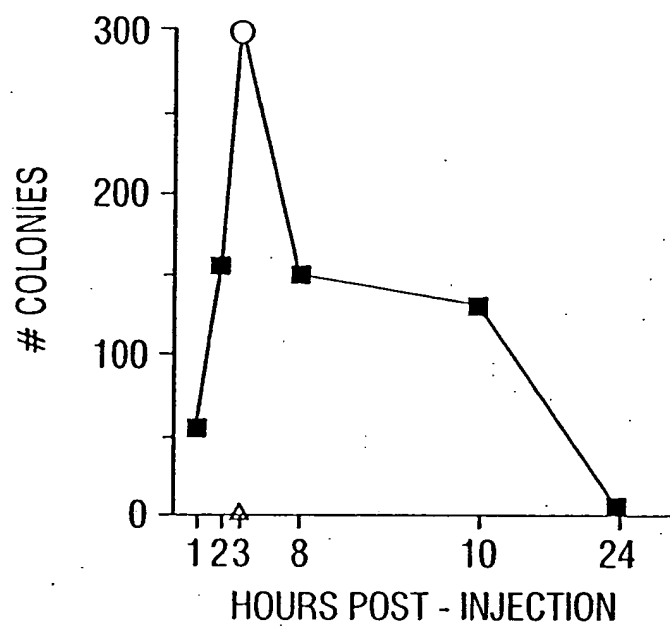


FIG. 4A

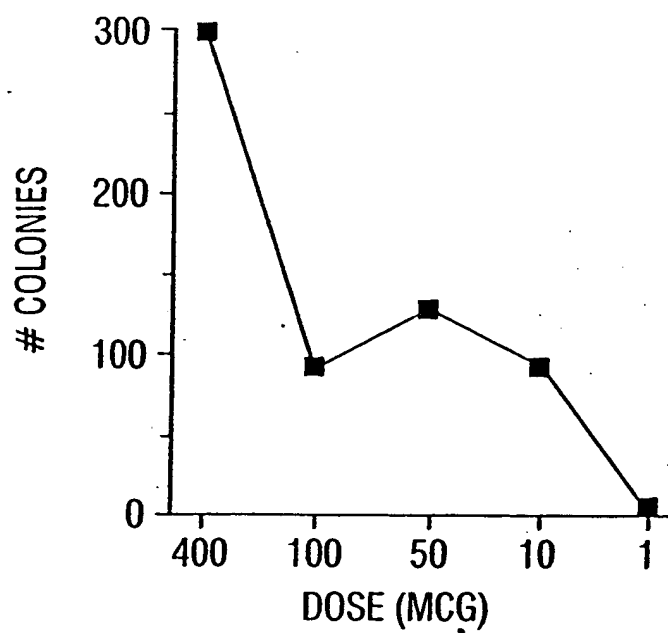


FIG. 4B

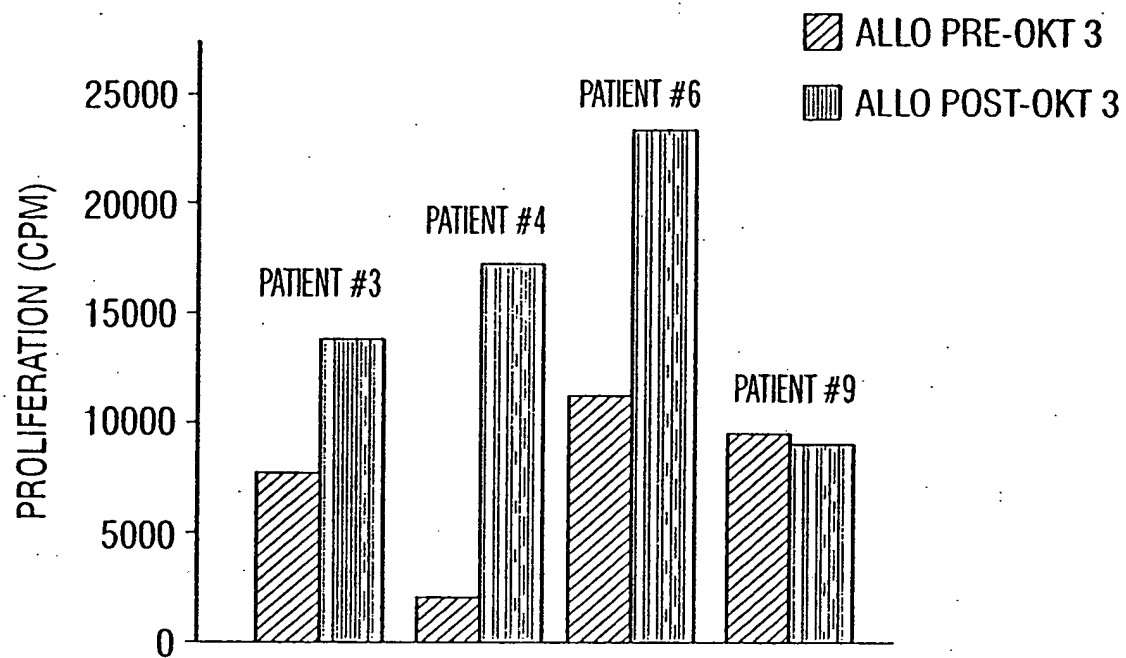


FIG. 5A

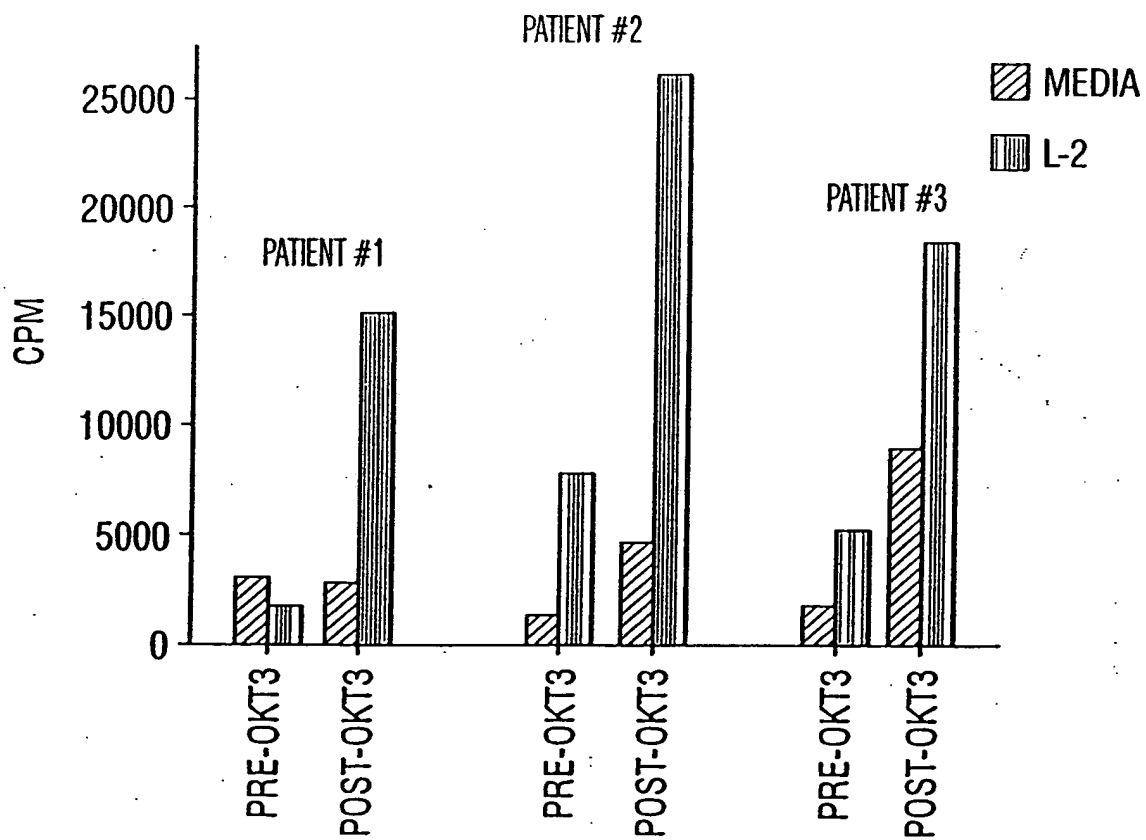


FIG. 5B

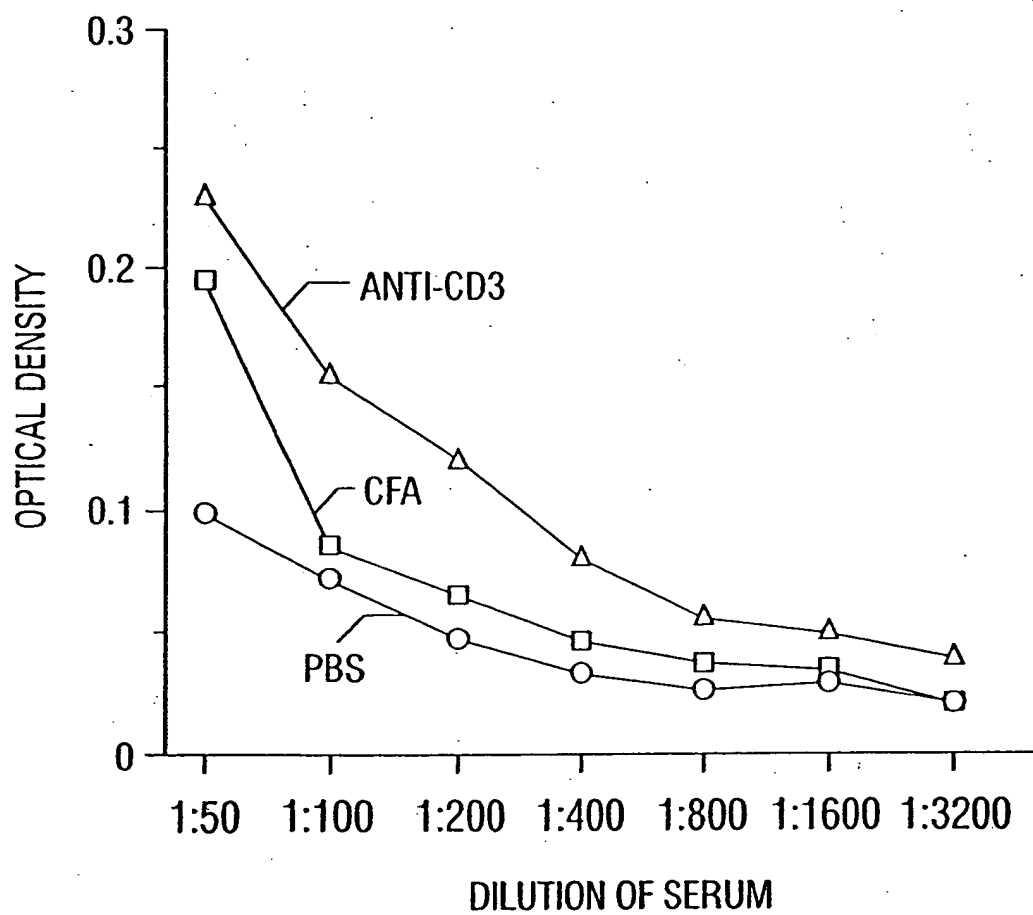


FIG. 6



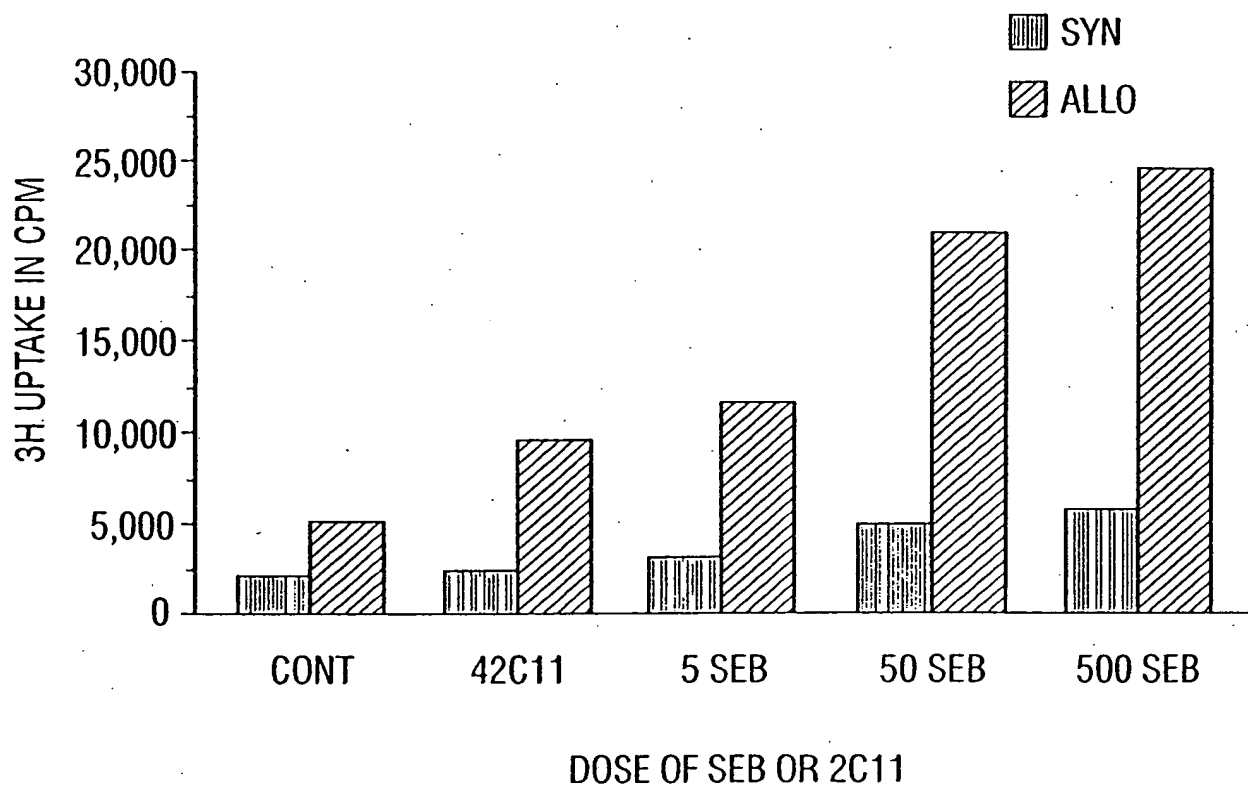


FIG. 7

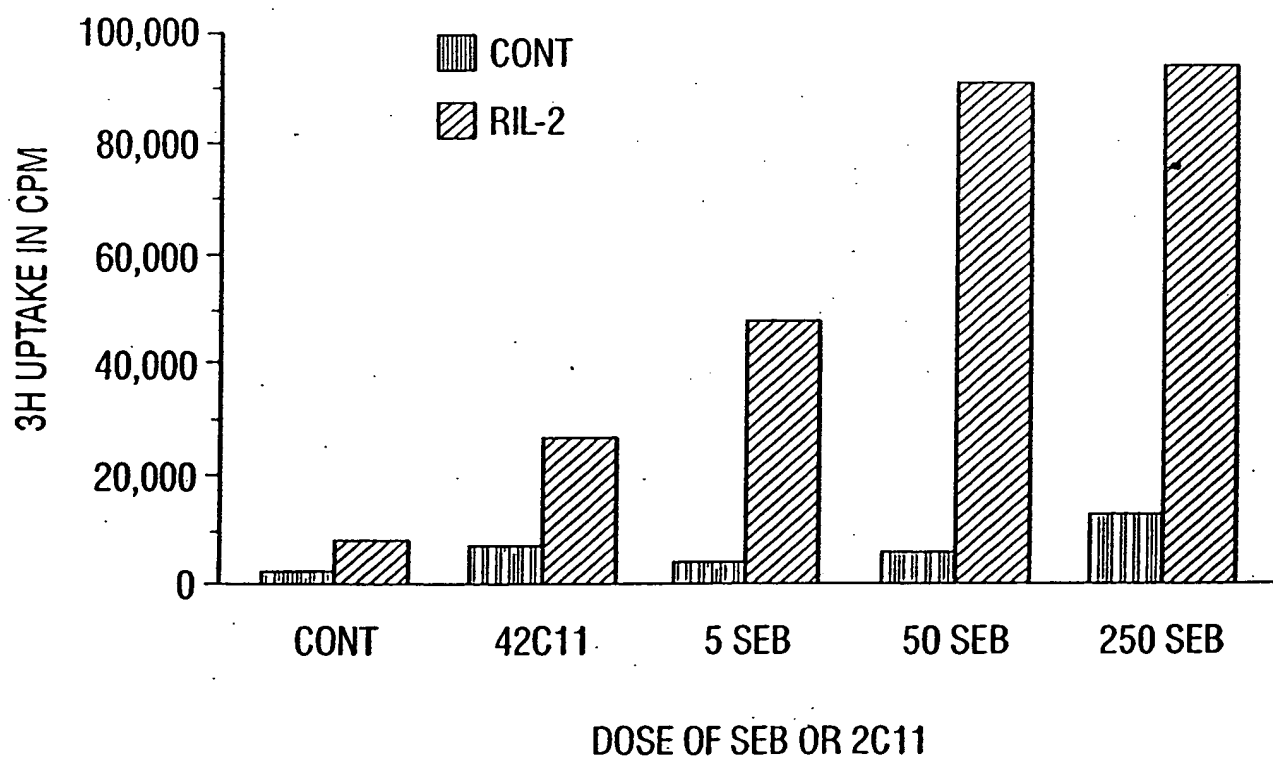


FIG. 9

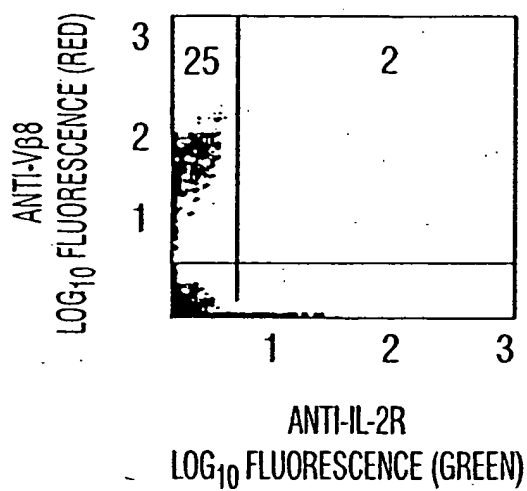


FIG. 8A

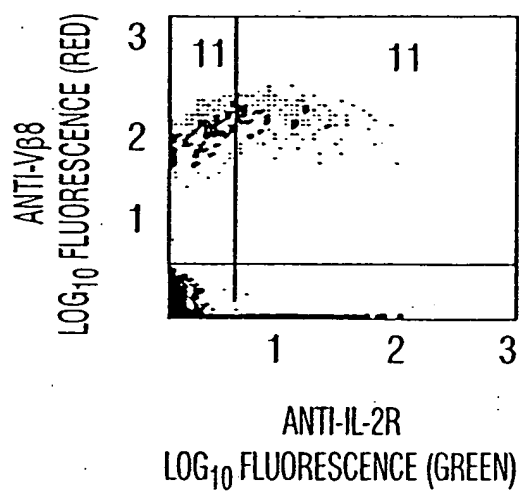


FIG. 8B

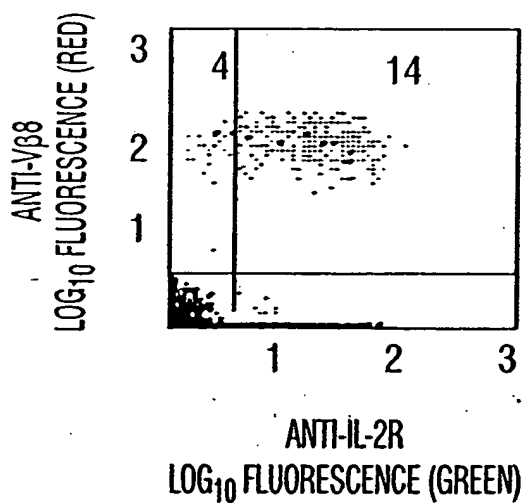


FIG. 8C

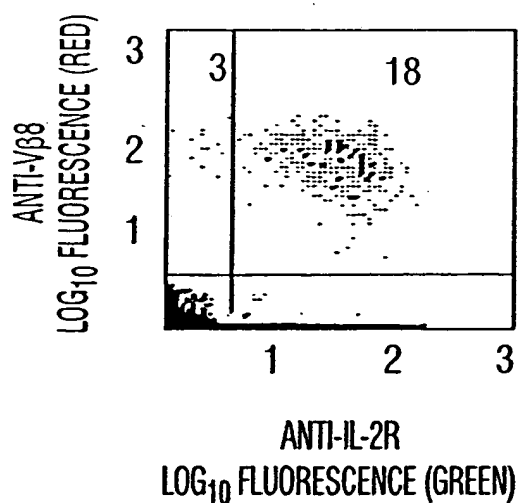


FIG. 8D

FIG. 10A-1

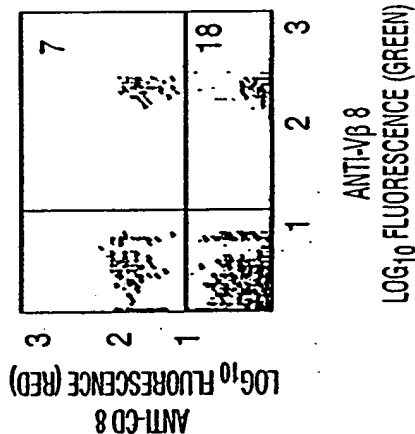


FIG. 10A-2

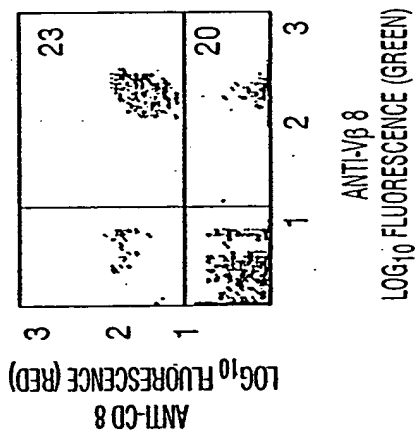


FIG. 10A-3

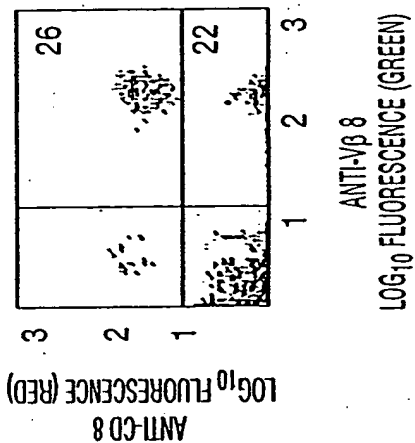


FIG. 10B-1

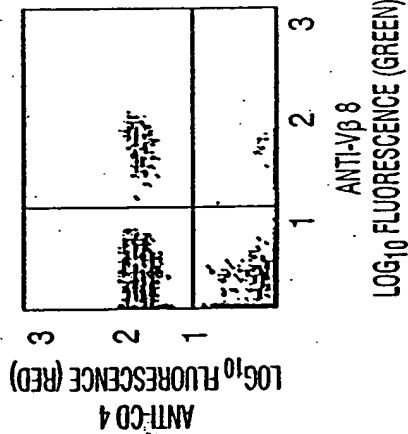


FIG. 10B-2

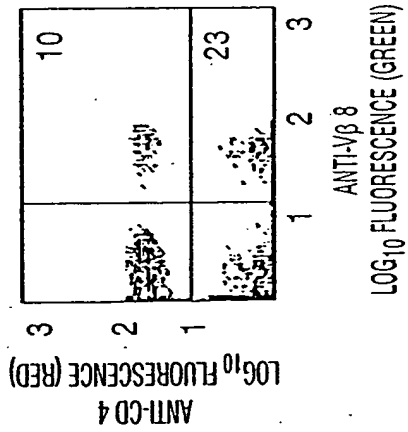
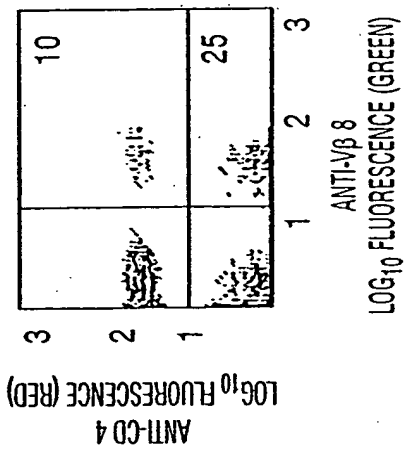


FIG. 10B-3



2000-03-22

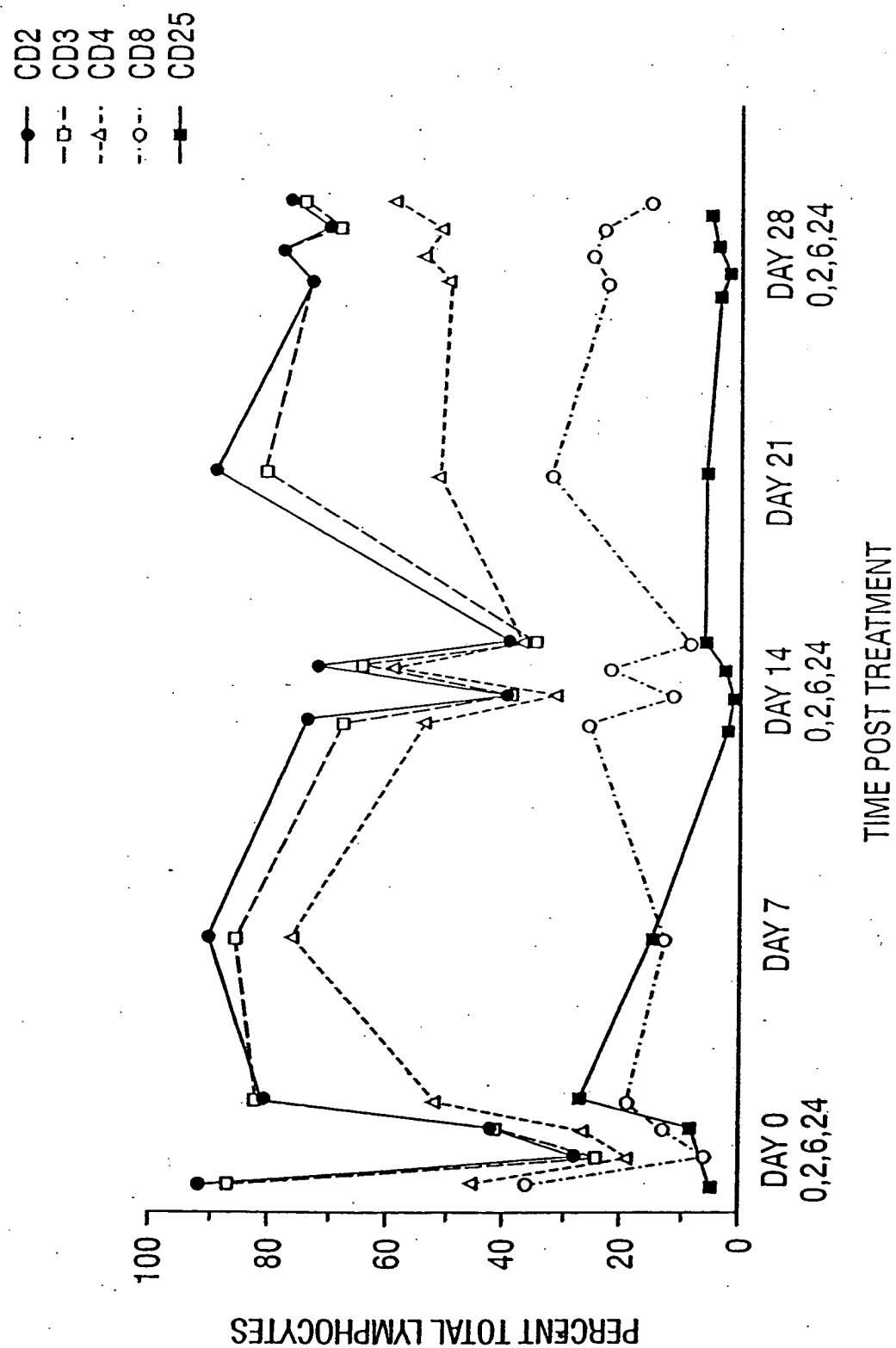
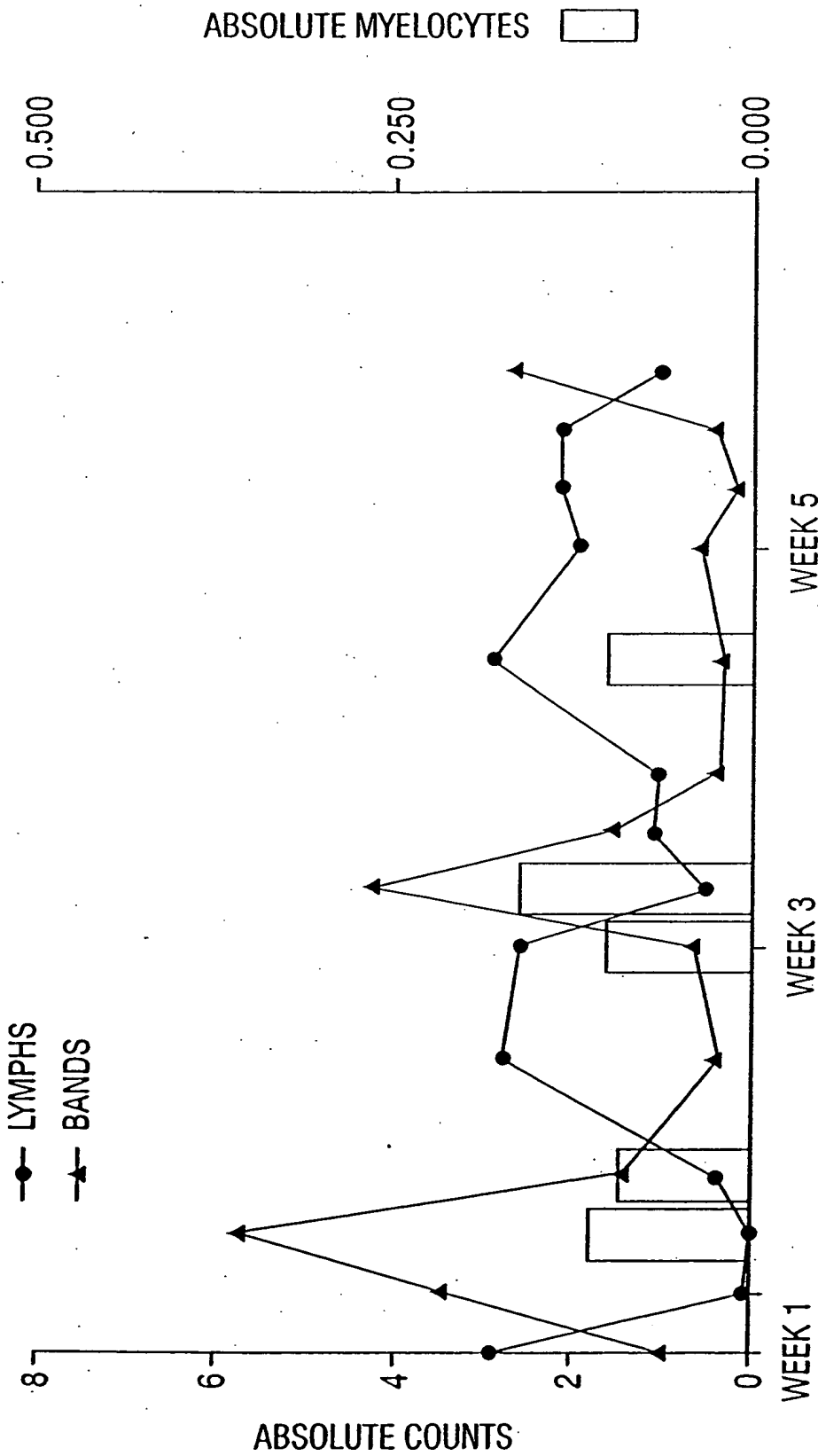


FIG. 11

[illegible]

## TREATMENT INTERVALS

FIG. 12

2000-01-01

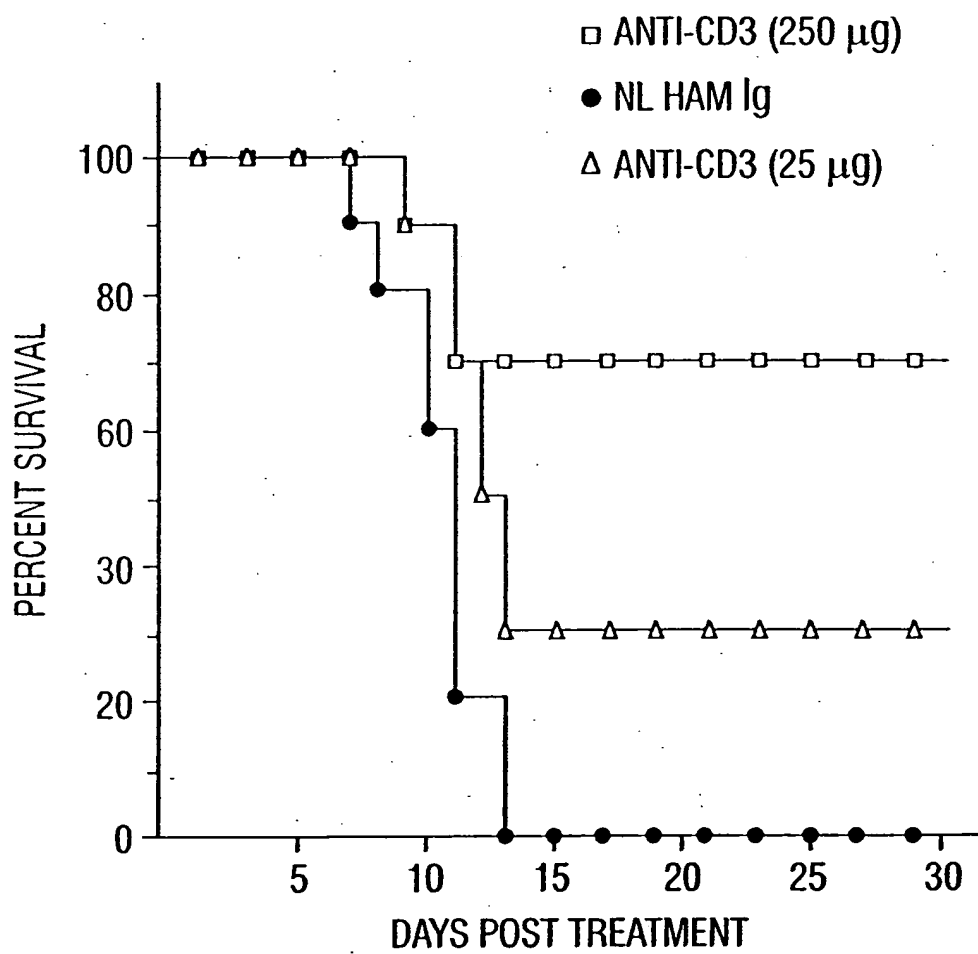


FIG. 13

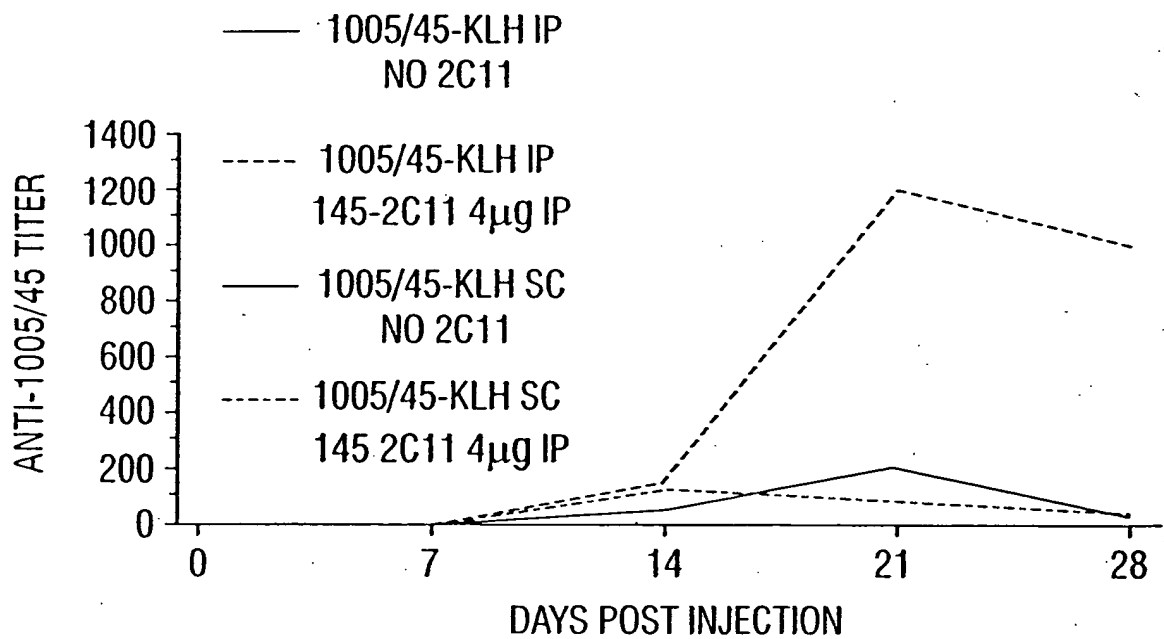


FIG. 14

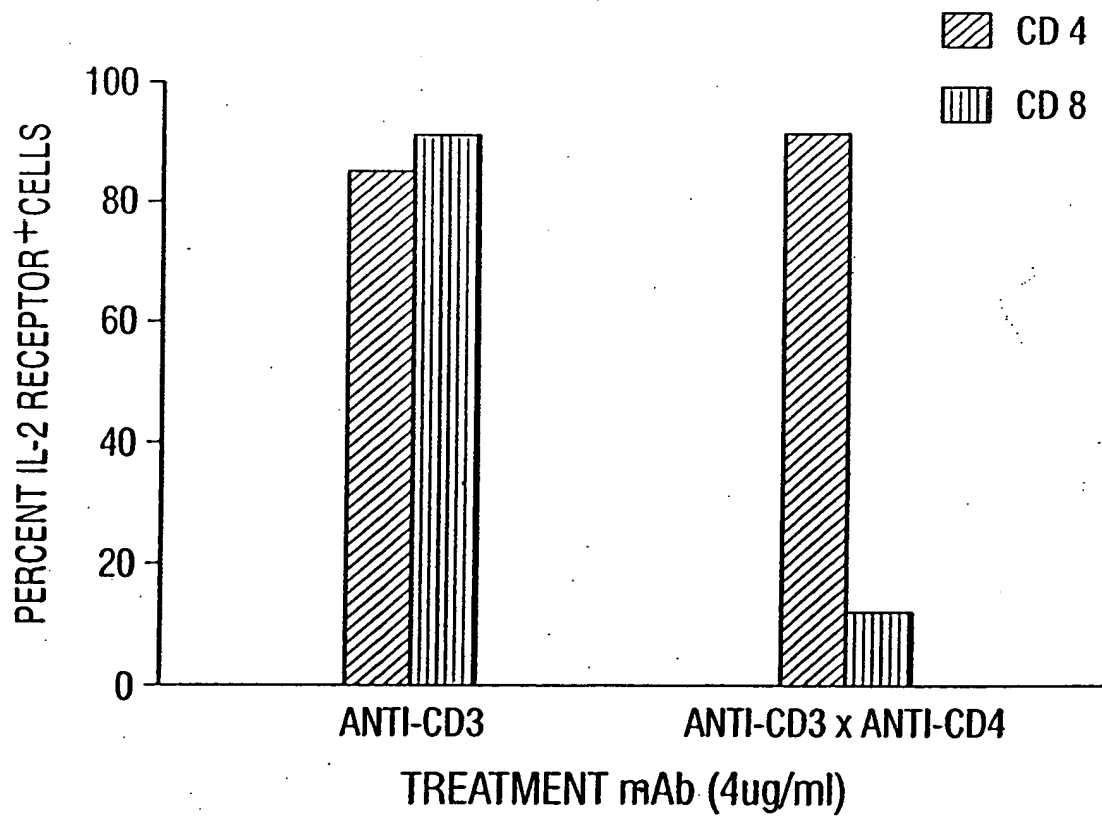


FIG. 15

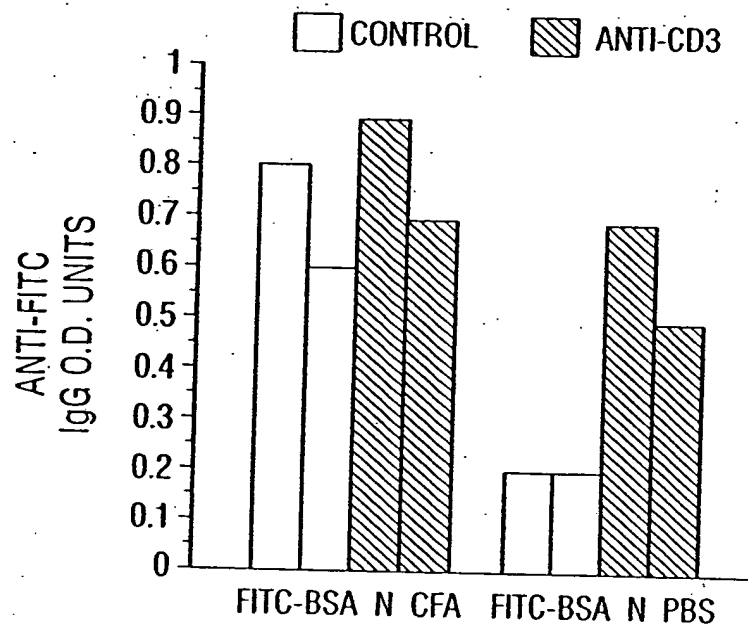


FIG. 16A

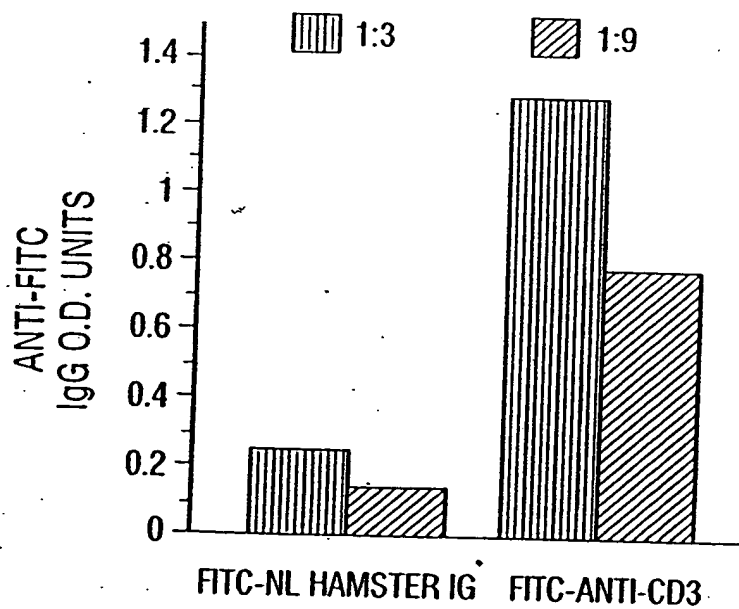


FIG. 16B



~ PEPTIDE  
> m Ab

FIG. 17

